

A Method for Assembling Carbon Nanotubes and Microprobe and an Apparatus Thereof

ABSTRACT

5 The present invention discloses a method for assembling carbon
nanotubes and microprobe, which employs the Electrophoresis or
Dielectrophoresis principles to drive the carbon nanotubes self-assembling
the microprobe under an electric field. The method comprises the steps of:
forming at least one microprobe, the microprobe being covered by a
10 conductive layer; exposing the microprobe to a solution having carbon
nanotubes spreading therein, the solution being furnished with an electrode;
applying a predetermined voltage between the conductive layer and the
electrode, making at least one carbon nanotube to move and attach onto the
top of the microprobe.

15